Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

1.      (Currently Amended) A system for controlling access to location information generated for wireless communications devices, comprising:

a first memory configured for storing at least one privacy profile for at least one subscriber wireless communications device, wherein the privacy profile includes identification information for the at least one wireless communications device and a listing of client applications that are permitted to receive the location information for the at least one wireless communications device; and

a first interface accessible over a data network which is configured to access, retrieve and provide the location information for the at least one wireless communications device to the client application wherein prior to provision of the location information the first interface is further configured to access the privacy profile of the at least one wireless communications device in the first memory and, based on ~~the~~ an analysis of the listing of client applications that are permitted to receive the location information, provide the location information in a manner specified in the profile, which includes but is not limited to denying access to the location information.

2.      (Currently Amended) The system of claim 1 wherein the first interface is further configurable to provide access to the subscriber profile for the at least one wireless communications device ~~wherein~~ and to enable a subscriber accessing the profile ~~may~~ to modify at least one of: the identification information, the at least one privacy preference, and access information to the profile.

3.      (Original) The system of claim 2 wherein the at least one privacy preference includes at least one of: total denial of access, limited access to a time period, access

Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

limited to a type entity making the request, access only granted to request of particular granularity, and access based on user's geographic location.

4. (Previously Presented) The system of claim 1 wherein the first interface is further configured to perform an authorization and authentication process for requesting client applications which request the location information for the at least one wireless communications device.

5. (Original) The system of claim 4 wherein the memory is further configured to include a client profile for each of the requesting client applications wherein the client profile includes at least one of: client identification information and location request processing information.

6. (Original) The system of claim 5 wherein the client profile may further include at least one of: allowed location request types, time periods when the location requests are limited, limits on frequency of the location requests, granularity allowed of the location information provided, notification provisions for the at least one wireless communications device.

7. (Currently Amended) The system of claim 4 wherein the first interface is further configured to provide access to the client profile so that and enable the requesting client applications may to modify the client profiles that they are authorized to access.

8. (Original) The system of claim 1 wherein further including a second interface through which communications are established with a location server which provides the location information for the at least one wireless communications device.

9. (Original) The system of claim 7 wherein the second interface is configured to receive location requests made through the location server, and to access the subscriber profile and provide access to the location information for the at least one wireless communications device based on analysis of the privacy preferences in the subscriber profile.

Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

10.     (Currently Amended)  The system of claim 1 wherein the first interface is configured to communicate over the data network with at least one of: a computer workstation configured with a web browser and a network connection, wireless communications device employing wireless access protocol (WAP) and connecting through a WAP gateway, a wireless communications device configured for short message service (SMS) and a [30] phone configured with a direct HTML browser.

11.     (Currently Amended)  The system of claim 1 wherein the first interface is further configured to perform at least one of: automated billing functions related to the requests for the location information received from the requesting applications; provide the location information based on a priority assigned to the client application; and request throttling which controls number of the location requests the client applications ~~may~~ are permitted to make within an identified time period.

12.     (Original)  The system of claim 8 wherein at least one of: the first memory and the first interface, are configurable on the same platform as the location server.

13.     (Currently Amended)  A method of controlling access to location information generated for wireless communications devices operating in a wireless communications network, comprising:
        receiving a request associated with at least one wireless communications device over a data network from a requesting client application;
        accessing a subscriber profile associated with the at least one wireless communications device in memory, wherein the subscriber profile includes an indication of which of the requesting client applications ~~may~~ have been authorized to receive location information as well as at least one privacy preference which controls the manner in which the location information ~~may be~~ is provided;
        determining whether the requesting client application is included in the accessed subscriber profile for the at least one wireless communications device; and

Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

if the at least one client application is identified in the accessed subscriber profile, providing access to the location information for the at least one wireless communications device according to the at least one privacy preference.

14.     (Previously Presented)  The method of claim 13 further comprising authenticating and authorizing the at least one client application upon receipt of the request for the location information for the at least one wireless communications device.

15.     (Previously Presented)  The method of claim 14 wherein authenticating and authorizing comprises:

accessing a client profile in memory associated with the at least one requesting client application;

receiving identification information from the at least one requesting client application;

comparing the received identification with stored identification in the client application profile; and

authenticating and authorizing the request for the location information if the received identification information substantially matches the received identification information.

16.     (Original)  The method of claim 13 wherein the at least one privacy preference includes at least one of: total denial of access, limited access to a time period, access limited to a type of entity making the request, access only granted to request of particular granularity, and access based on user's geographic location.

17.     (Currently Amended)  The method of claim 15 wherein the client profile may further include includes at least one of: allowed location request types, time periods when the location requests are limited, limits on frequency of the location requests, granularity allowed of the location information provided, notification provisions for the at least one wireless communications device.

Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

18.　(Previously Presented)　The method of claim 15 further comprising:

detecting an access request for the client application profile for the at least one client application, wherein the request includes identification information for the at least one client application;

retrieving the client application profile from memory and presenting said profile to the requesting client application; and

detecting modifications to the client application profile and entering the detected modifications in the client application profile.

19.　(Previously Presented)　The method of claim 14 further comprising:

detecting an access request for the client application profile for the at least one subscriber, wherein the request includes identification information for the at least one subscriber;

retrieving the subscriber profile from memory and presenting said profile to the requesting subscriber; and

detecting modifications to the subscriber profile and entering the detected modifications in the subscriber profile.

20.　(Previously Presented)　The method of claim 13 further comprising processing the location requests received from: client applications over a data network and directly from a location server.

21.　(Original)　The method of claim 13 wherein communications are processed by web browsers or wireless communications devices through a WAP gateway.

22.　(Original)　The method of claim 13 further comprising the step of initiating an automatic billing procedure upon a detected connection by the at least one client application.

23.　(Original)　The method of claim 13 further comprising the step of providing request throttling for the location requests.

Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

24.    (Original)  The method of claim 13 further comprising the step of processing the location requests according to a priority assigned to the at least one client application and included in the client application profile.

25.    (Previously Presented)  A method of controlling access to location information for wireless communications devices operating in a wireless communications network, the method comprising:

receiving a request from a client application for location information for a wireless device;

retrieving a subscriber profile from a memory, the subscriber profile including a listing of the client application and a permission set for the client application;

querying the subscriber profile to determine whether the permission set for the client application authorizes the client application to receive the location information for the wireless device;

determining that the client application is not authorized to receive the location information; and

denying the client application access to the location information.

26.    (Previously Presented)  The method of claim 25 further comprising:

notifying the wireless device that the client application is not authorized to receive the location information; and

updating the subscriber profile to authorize the client application to receive the location information during subsequent requests.

27.    (Previously Presented)  The method of claim 26 wherein updating the subscriber profile is performed by a subscriber.

28.    (Previously Presented)  The method of claim 26 wherein updating the subscriber profile comprises updating the permission set for the client application.

Appl. No. 10/076,682
Amdt. dated March 10, 2006
Amendment under 37 CFR 1.116 Expedited Procedure
Examining Group 2143

PATENT

29.     (Previously Presented)  The method of claim 28 wherein the permission set comprises at least one of a temporal permission set, a spatial permission set, a granularity filter, or a notification instruction.

30.     (Previously Presented)  An apparatus for receiving a request for location information for a wireless device from a plurality of client applications and controlling access to the location information, the apparatus comprising:

a first memory adapted to store a subscriber profile for the wireless device, wherein the subscriber profile includes identification information for the wireless device and a permission set for at least one of the plurality of client applications;

a first interface accessible over a data network, the first interface adapted to:

receive a request for location information from the at least one of the plurality of client applications;

access the subscriber profile;

determine whether the at least one of the plurality of client applications has permission to receive the location information; and

provide the location information to the at least one of the plurality of client applications if the at least one of the plurality of client applications has permission to receive the location information.

31.     (Previously Presented)  The apparatus of claim 30 wherein the subscriber profile includes a plurality of permission sets, each permission set associated with one of the plurality of client applications.

32.     (Previously Presented)  The apparatus of claim 30 wherein the permission set includes at least one of a temporal permission set, a spatial permission set, a granularity filter, or a notification instruction.